

#### SEQUENCE LISTING

- (1) GENERAL INFORMATION:
- (i) APPLICANT: Perkin-Elmer Corporation, Applied Biosystems Division
- (ii) TITLE OF INVENTION: METHOD FOR DETECTING OLIGONUCLEOTIDES USING ENERGY TRANSFER DYES WITH LONG STOKE SHIFT
  - (iii) NUMBER OF SEQUENCES: 3
  - (iv) CORRESPONDENCE ADDRESS:
    - (A) ADDRESSEE: David J. Weitz, Wilson Sonsini Goodrich

#### & Rosati

- (B) STREET: 650 Page Mill Road
- (C) CITY: Palo Alto
- (D) STATE: California
- (E) COUNTRY: USA
- (F) ZIP: 94304-1050

### (v) COMPUTER READABLE FORM:

- (A) MEDIUM TYPE: 3.5 inch diskette
- (B) COMPUTER: IBM compatible
- (C) OPERATING SYSTEM: Microsoft Windows 3.1/DOS 5.0
- (D) SOFTWARE: Wordperfect for windows 6.0, ASCII (DOS) TEXT format

#### (vi) CURRENT APPLICATION DATA:

- (A) APPLICATION NUMBER:
- (B) FILING DATE:
- (C) CLASSIFICATION:

## (vii) PRIOR APPLICATION DATA:

- (A) APPLICATION NUMBER: 08/642,330
- (B) FILING DATE: May 3, 1996

#### (vii) PRIOR APPLICATION DATA:

- (A) APPLICATION NUMBER: 08/672,196
- (B) FILING DATE: June 27, 1996

## (vii) PRIOR APPLICATION DATA:

- (A) APPLICATION NUMBER: 08/726,462
- (B) FILING DATE: October 4, 1996

## (vii) PRIOR APPLICATION DATA:

- (A) APPLICATION NUMBER: 09/046,203
- (B) FILING DATE: March 23, 1998

# (viii) ATTORNEY/AGENT INFORMATION:

- (A) NAME: David J. Weitz
- (B) REGISTRATION NUMBER: 38,362
- (C) REFERENCE/DOCKET NUMBER: 16842-755

## (ix) TELECOMMUNICATION INFORMATION:

- (A) TELEPHONE: (415) 493-9300
- (B) TELEFAX: (415) 493-6811

# (2) INFORMATION FOR SEQ ID NO: 1:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 1217 nucleotides
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear

(xi)	SEQUENCE	DESC	CRIPTION:	SEQ	ID	NO:	1:	
GCCAAGCTT	G CATGCCI	GCA	GGTCGACT	CT	AGA	GGA:	rccc	40
CGGGTACCG	A GCTCGA	TTC	GTAATCAT	rgg	TCA	TAG	CTGT	80
TTCCTGTGT	G AAATTGI	TAT	CCGCTCA	CAA	TTC	CAC	ACAA	120
CATACGAGC	C GGAAGCA	AATA	AGTGTAA	AGC	CTG	GGG:	rgcc	160
TAATGAGTG	A GCTAACI	CAC	ATTAATTO	GCG	TTG	CGC	CAC	200
TGCCCGCTT	T CCAGTCO	GGA	AACCTGT	CGT	GCC	AGC:	rgca	240
TTAATGAAT	C GGCCAAC	CGCG	CGGGGAG	4GG	CGG	TTTC	GCGT	280
ATTGGGCGC	C AGGGTGC	TTT	TTCTTTTC	CAC	CAG	TGA	GACG	320
GGCAACAGC'	T GATTGC	CTT	CACCGCC	rgg	CCC	TGA	GAGA	360
GTTGCAGCA	A GCGGTC	CACG	CTGGTTT	GCC	CCA	GCA	GGCG	400
AAAATCCTG	T TTGATGO	STGG	TTCCGAA	ATC	GGC	AAA	ATCC	440
CTTATAAAT	C AAAAGAA	ATAG	CCCGAGA:	ΓAG	GGT	TGA	STGT	480
TGTTCCAGT'	T TGGAACA	AAGA	GTCCACT	TT	AAA	GAA	CGTG	520
GACTCCAAC	G TCAAAGO	GCG	AAAAACC	STC	TAT	CAG	GCG	560
ATGGCCCAC'	T ACGTGA	ACCA	TCACCCA	TAP	CAA	GTT'	TTTT	600
GGGGTCGAG	G TGCCGTA	AAAG	CACTAAA:	rcg	GAA	.CCC'	<b>LAAA</b>	640
GGGAGCCCC	C GATTTAC	SAGC	TTGACGG	<b>GGA</b>	AAG	CCG	GCGA	680
ACGTGGCGA	g aaagga <i>i</i>	AGGG	AAGAAAG	CGA	AAG	GAG	CGGG	720
CGCTAGGGC	G CTGGCA	AGTG	TAGCGGT	CAC	GCT	GCG	CGTA	760
ACCACCACA	C CCGCCG	CGCT	TAATGCG	CCG	CTA	CAG	GGCG	800
CGTACTATG	G TTGCTT	GAC	GAGCACG'	TAT	AAC	GTG	CTTT	840
CCTCGTTGG	A ATCAGAC	CGG	GAGCTAA	ACA	GGA	.GGC	CGAT	880
TAAAGGGAT'	T TTAGACA	AGGA	ACGGTAC	-	AGA	ATC'	TTGA	920
GAAGTGTTT'	TATAAT(	CAGT	GAGGCCA	CCG	AGT	AAA	AGAG	960
TCTGTCCAT	C ACGCAA	ATTA	ACCGTTG'		CAA	TAC'	TTCT	1000
TTGATTAGT	A ATAACA	CAC	TTGCCTG	AGT	AGA	AGA	ACTC	1040
AAACTATCG	G CCTTGCT	rggt	AATATCC	AGA	ACA	ATA'	TTAC	1080
CGCCAGCCA'	T TGCAAC	AGGA	AAAACGC'	ГСА	TGG	'AAA	TACC	1120
TACATTTTG.			TCTGAAA	rgg	ATT	'ATT	TACA	1160
TTGGCAGAT'	T CACCAG	CAC	ACGACCA	GTA	ATA	AAA	GGGA	1200
CATTCTGGC	C AACAGA	3						1217

# (2) INFORMATION FOR SEQ ID NO: 2:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 nucleotides
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2: 18 TGTAAAACGA CGGCCAGT

# (2) INFORMATION FOR SEQ ID NO: 3:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 738 nucleotides

  - (B) TYPE: nucleic acid(C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear

	(D) TOPOLOGI.	TIMEAL		
(xi)	SEQUENCE DESCRI	IPTION: SEQ ID	NO: 3:	
ATACGACTCA	CTATAGGGCG	AATTCGAGCT	CGGTACCCGG	40
GGATCCTCTA	GAGTCGACCT	GCAGGCATGC	AAGCTTGAGT	80
ATTCTATAGT	GTCACCTAAA	TAGCTTGGCG	TAATCATGGT	120
CATAGCTGTT	TCCTGTGTGA	AATTGTTATC	CGCTCACAAT	160
TCCACACAAC	ATACGAGCCG	GAAGCATAAA	GTGTAAAGCC	200
TGGGGTGCCT	AATGAGTGAG	CTAACTCACA	TTAATTGCGT	240
TGCGCTCACT	GCCCGCTTTC	CAGTCGGGAA	ACCTGTCGTG	280
CCAGCTGCAT	TAATGAATCG	GCCAACGCGC	GGGGAGAGGC	320
GGTTTGCGTA	TTGGGCGCTC	TTCCGCTTCC	TCGCTCACTG	360
ACTCGCTGCG	CTCGGTCGTT	CGGCTGCGGC	GAGCGGTATC	400
AGCTCACTCA	AAGGCGGTAA	TACGGTTATC	CACAGAATCA	440
GGGGATAACG	CAGGAAAGAA	CATGTGAGCA	AAAGGCCAGC	480
AAAAGGCCAG	GAACCGTAAA	AAGGCCGCGT	TGCTGGCGTT	520
TTTCCATAGG	CTCCGCCCCC	CTGACGAGCA	TCACAAAAAT	560
CGACGCTCAA	GTCAGAGGTG	GCGAAACCCG	ACAGGACTAT	600
AAAGATACCA	GGCGTTTCCC	CCTGGAAGCT	CCCTCGTGCG	640
CTCTCCTGTT	CCGACCCTGC	CGCTTACCGG	ATACCTGTCC	680
GCCTTTCTCC	CTTCGGGAAG	CGTGGCGCTT	TCTCATAGCT	720
CACGCTGTAG				738